



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) EP 1 167 453 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
09.01.2002 Bulletin 2002/02

(51) Int Cl.7: C08L 71/02, C08G 65/32,  
C08G 65/336, C08G 65/00,  
C08L 83/14

(43) Date of publication A2:  
02.01.2002 Bulletin 2002/01

(21) Application number: 01305499.4

(22) Date of filing: 25.06.2001

(84) Designated Contracting States:  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR  
Designated Extension States:  
AL LT LV MK RO SI

(30) Priority: 29.06.2000 JP 2000196789

(71) Applicant: SHIN-ETSU CHEMICAL CO., LTD.  
Chiyoda-ku Tokyo (JP)

(72) Inventors:  
• Sakano, Yasunori,  
c/o Silicone-Elec. Mat. Res. Ctr  
Matsuida-machi, Usui-gun, Gunma-ken (JP)

- Sato, Shinichi, c/o Silicone-Elec. Mat. Res. Ctr  
Matsuida-machi, Usui-gun, Gunma-ken (JP)
- Yamaguchi, Koichi,  
c/o Silicone-Elec. Mat. Res Ctr  
Matsuida-machi, Usui-gun, Gunma-ken (JP)
- Koike, Noriyuki, c/o Silicone-Elec. Mat. Res. Ctr  
Matsuida-machi, Usui-gun, Gunma-ken (JP)
- Arai, Masatoshi, c/o Silicone-Elec. Mat. Res. Ctr  
Matsuida-machi, Usui-gun, Gunma-ken (JP)
- Kishita, Hirofumi, c/o Silicone-Elec. Mat. Res Ctr  
Matsuida-machi, Usui-gun, Gunma-ken (JP)

(74) Representative: Stuart, Ian Alexander et al  
MEWBURN ELLIS York House 23 Kingsway  
London WC2B 6HP (GB)

(54) Curable fluoropolyether rubber compositions

(57) A curable fluoropolyether rubber composition comprising (A) a straight-chain fluoropolyether compound having at least two alkenyl groups and a perfluoropolyether structure backbone, (B) an organosilicon compound having at least two silicon atom-bonded hy-

drogen atoms, which all form H-SiCH<sub>2</sub>- structures, and (C) a hydrosilylation catalyst cures into parts which have good heat resistance, chemical resistance, solvent resistance, parting property, water repellency, oil repellency and weather resistance as well as improved acid and alkali resistance and are useful as sealants.

EP 1 167 453 A3



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 01 30 5499

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
A	EP 0 967 251 A (SHINETSU CHEMICAL CO) 29 December 1999 (1999-12-29) * examples 1-12; table 1 *	1-4	C08L71/02 C08G65/32 C08G65/336 C08G65/00 C08L83/14
A,D	EP 0 725 113 A (SHINETSU CHEMICAL CO) 7 August 1996 (1996-08-07) * claim 1; example 10 *	1-4	
			TECHNICAL FIELDS SEARCHED (Int.CI.7)
			C08G C08L C09D
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>14 November 2001</b>	Examiner <b>O'Sullivan, T</b>
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  C : document cited for other reasons  &amp; : member of the same patent family, corresponding document</p>			

EP FORM 1501 03/92 (P/2001)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 5499

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on.  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

14-11-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0967251 A	29-12-1999	JP 2000007835 A	11-01-2000
		EP 0967251 A1	29-12-1999
		US 6297339 B1	02-10-2001
EP 0725113 A	07-08-1996	JP 2990646 B2	13-12-1999
		JP 8199070 A	06-08-1996
		JP 2943644 B2	30-08-1999
		JP 8198926 A	06-08-1996
		DE 69610445 D1	02-11-2000
		DE 69610445 T2	19-04-2001
		EP 0725113 A1	07-08-1996
		US 5665846 A	09-09-1997

EP0100010455

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82